

59639-138

7/29/2014

1/8



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Maya Ramsey  
Valent U.S.A. Corporation  
1600 Riviera Ave., Suite 200  
Walnut Creek, CA 94596

APR 29 2014

Dear Ms. Ramsey:

Subject: Amendment to extend supplemental label expiration date by one year for caneberry, cucurbit vegetable, low growing berry, mint, pepper, eggplant, small fruit vine climbing except fuzzy kiwifruit, stone fruit, and tropical and subtropical fruit uses  
Zeal WP Miticide  
EPA Registration No. 59639-138  
Decision Numbers: 490122  
Submission Date: March 31, 2014

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one copy of your final printed labeling before you release the product for shipment. Please note that the supplemental label expires on May 3, 2015, and must not be used or distributed after this date. If you have any questions regarding this label, please contact Dr. Jennifer Urbanski at 703-347-0156 or [urbanski.jennifer@epa.gov](mailto:urbanski.jennifer@epa.gov).

Sincerely yours,

A handwritten signature in black ink, appearing to read "Reuben Baris".

Reuben Baris  
Acting Product Manager (07)  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure- Stamped Label

**Supplemental Label**



**ZEAL® WP MITICIDE**  
EPA Reg. No. 59639-138

**FOR USE ON CANEBERRY; CUCURBIT VEGETABLES;  
LOW GROWING BERRY; MINT; PEPPER AND EGGPLANT; SMALL FRUIT VINE  
CLIMBING, EXCEPT FUZZY KIWIFRUIT; STONE FRUIT  
AND TROPICAL AND SUBTROPICAL FRUIT (INEDIBLE PEEL)**

This supplemental label expires on May 3, 2015 and must not be used or distributed after this date.

This supplemental label indicates removal of the statement "Do not use with an adjuvant or surfactant" from certain listed crop use directions, and thus supersedes any container or previous supplemental labels where this statement appears.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR ZEAL WP MITICIDE BEFORE APPLYING. USE OF ZEAL WP MITICIDE ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR ZEAL WP MITICIDE.**

**MANAGING RESISTANCE:** Repeated use of the same class of miticides or miticides with similar modes of action can lead to the buildup of resistant mite strains. Use *Zeal* WP Miticide in alternation with miticides having different modes of action and/or that belong to different chemical classes. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

ACCEPTED  
APR 29 2014

**Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:**

EPA. Reg. No: 59639-138

| <b>CANE BERRY (Subgroup 13-07 A)</b><br>Blackberry; Loganberry; Raspberry, Black; Raspberry, Red; Raspberry, Wild; Cultivars, varieties and/or hybrids of these   |                                       |   |
|---|---------------------------------------|---|
| PESTS   | PRODUCT RATE OZ/ACRE                  | SPECIAL INSTRUCTIONS  |
| European Red Spider Mite<br>McDaniel Spider Mite<br>Two-spotted Spider Mite<br>Yellow Spider Mite   | 2.0 to 3.0<br>(0.09 to 0.135 lb ai/A) | <p>Apply by ground as a full coverage spray in a minimum of 50 gals/A of water. Applications of <i>Zeal</i> WP Miticide must be done using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites are using for dispersal, feeding and reproduction. Use higher water volumes on older trees and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Best results are achieved when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p> |
| <b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 0 day.</li> <li>• Do not make more than one (1) <i>Zeal</i> WP Miticide application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season.</li> </ul> |                                       |   |

4/5

**CUCURBIT VEGETABLES(Crop Group 9)**

Acorn Squash; Balsam Apple; Balsam Pear; Bittermelon; Butternut Squash; Calabaza Squash; Cantaloupe; Chayote (fruit); Chinese Cucumber; Chinese Okra; Chinese Waxgourd (Chinese Preserving Melon); Citron Melon; Cucumber; Cucuzza; Gherkin; Gourd, Edible; Hechima; Hubbard Squash; Hyotan; *Momordica* spp.; Muskmelon; Pumpkin; Spaghetti Squash; Summer Squash; Watermelon; Winter Squash

| PESTS   | PRODUCT RATE<br>OZ/ACRE               | SPECIAL INSTRUCTIONS   |
|---|---------------------------------------|--|
| Two-spotted Spider Mite<br>Carmine Spider Mite<br>Pacific Spider Mite<br>Strawberry Spider Mite | 2.0 to 3.0<br>(0.09 to 0.135 lb ai/A) | <p>Apply with [air or] ground equipment in adequate water for uniform coverage ([a minimum of 3 gals/A by air or] a minimum of 10 gals/A [by ground]). Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Applications of <i>Zeal</i> WP Miticide must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Best results are achieved when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p> |

**Restrictions**

- Preharvest interval (PHI) is 7 days.
- Do not make more than one (1) *Zeal* WP Miticide application per season.
- Do not apply more than 3.0 oz (0.135 lb ai) of *Zeal* WP Miticide per acre per season.

| <b>LOW GROWING BERRY (Subgroup 13-07G)</b><br>Bearberry; Bilberry; Blueberry, Lowbush; Cloudberry; Cranberry; Lingonberry; Muntries;<br>Partridgeberry; Strawberry; cultivars, varieties and/or hybrids of these  |   |   |
|---|---|---|
| PEST  | PRODUCT RATE<br>OZ/ACRE   | SPECIAL INSTRUCTIONS  |
| European Red Mite<br>Pacific Spider Mite<br>Two-spotted Spider Mite   | 2.0 to 3.0<br>(0.09 to 0.135 lb ai/A)   | <p>Apply with ground equipment in a minimum of 100 gals/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Best results are achieved when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p><i>Zeal</i> WP Miticide will not control Cyclamine Mite. Another miticide registered for this pest should be used if these mites are a problem.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p> |
| Two-spotted Spider Mite   | 2.0 to 3.0<br>(0.09 to 0.135 lb ai/A)<br>+<br>10 2/3 fl oz<br><i>Danitol</i> ® 2.4 EC<br>Insecticide<br>(0.2 lb ai/A) | <p>Apply with ground equipment in adequate water for uniform coverage (using a minimum of 100 gals/A).</p> <p>Alternate with other non-pyrethroid insecticides if retreatment is needed in less than 30 days to comply with local IPM programs.</p> <p>Comply with all applicable directions, restrictions and precautions on the registered label for <i>Danitol</i> 2.4 EC Insecticide.</p>   |
| <b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 1 day.</li> <li>• Do not make more than one (1) <i>Zeal</i> WP Miticide application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season.</li> </ul> |   |   |

| MINT (Peppermint and Spearmint)   |                                      |  |
|---|--------------------------------------|--|
| PESTS   | PRODUCT RATE OZ/ACRE                 | SPECIAL INSTRUCTIONS   |
| Pacific Spider Mite<br>Strawberry Spider Mite<br>Two-spotted Spider Mite  | 2.0 to 4.0<br>(0.09 to 0.18 lb ai/A) | Apply with [air or] ground equipment in adequate water for uniform coverage (minimum of [10 gals/A by air or] 50 gals/A [by ground]). Coverage is essential for good control. Use of higher water volume will assure better coverage.<br><br>Best results are achieved when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.<br><br>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations. |
| <b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 7 days.</li> <li>• Do not make more than one (1) <i>Zeal</i> WP Miticide application per season.</li> <li>• Do not apply more than 4.0 oz (0.18 lb ai) of <i>Zeal</i> WP Miticide per acre per season.</li> </ul> |                                      |  |

| PEPPER AND EGGPLANT (Subgroup 8-10B)   |                                       |  |
|--|---------------------------------------|--|
| African Eggplant; Bell Pepper; Eggplant; Martynia; Non-Bell Pepper; Okra; Pea Eggplant; Pepino; Roselle; Scarlet Eggplant; cultivars, varieties and/or hybrids of these  |                                       |  |
| PESTS  | PRODUCT RATE OZ/ACRE                  | SPECIAL INSTRUCTIONS   |
| Two-spotted Spider Mite  | 2.0 to 3.0<br>(0.09 to 0.135 lb ai/A) | Apply with ground equipment in a minimum of 20 gals/A of water. Applications of <i>Zeal</i> WP Miticide must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.<br><br>Best results are achieved when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.<br><br>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations. |
| <b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 7 days.</li> <li>• Do not make more than one (1) <i>Zeal</i> WP Miticide application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season.</li> </ul> |                                       |  |

| <b>SMALL FRUIT VINE CLIMBING, EXCEPT FUZZY KIWIFRUIT(Subgroup 13-07 F)</b><br>Amur River Grape; Gooseberry; Grape; Kiwifruit, Hardy; Maypop; Schisandra Berry; cultivars, varieties, and/or hybrids of these.  |                                       |   |
|--|---------------------------------------|---|
| PESTS  | PRODUCT RATE<br>OZ/ACRE               | SPECIAL INSTRUCTIONS  |
| European Red Mite<br>Pacific Spider Mite<br>Two-spotted Spider Mite<br>Willamette Mite   | 2.0 to 3.0<br>(0.09 to 0.135 lb ai/A) | Apply by ground as a full coverage spray in a minimum of 25 gals/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage.<br><br>Best results are achieved when mite populations are low. <i>Zeal WP</i> Miticide is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Apply <i>Zeal WP</i> Miticide at or prior to threshold for your area but not greater than the maximum rate listed.<br><br><i>Zeal WP</i> Miticide will not control Rust Mites or Blister Mites. If these pests are a problem, use an alternative miticide registered for that use.<br><br>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations. |
| <b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 14 days</li> <li>• Do not make more than one (1) <i>Zeal WP</i> Miticide application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal WP</i> Miticide per acre per season.</li> </ul> |                                       |   |

| <b>STONE FRUIT(Crop Group 12)</b><br>Apricot; Cherry (sweet and tart); Nectarine; Peach; Plum; Plum, Chickasaw; Plum, Damson; Plum, Japanese; Plumcot; Prune (fresh)  |                                       |  |
|---|---------------------------------------|--|
| PEST  | PRODUCT RATE<br>OZ/ACRE               | SPECIAL INSTRUCTIONS   |
| European Red Mite<br>Pacific Spider Mite<br>Two-spotted Spider Mite   | 2.0 to 3.0<br>(0.09 to 0.135 lb ai/A) | Apply with ground equipment in a minimum of 50 gals/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage.<br><br>Best results are achieved when mite populations are low. <i>Zeal WP</i> Miticide is predominately an ovicide/larvicide. Apply <i>Zeal WP</i> Miticide at or prior to threshold for your area but not greater than the maximum rate listed.<br><br>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations. |
| <b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 7 days.</li> <li>• Do not make more than one (1) <i>Zeal WP</i> Miticide applications per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal WP</i> Miticide per acre per season.</li> </ul> |                                       |  |

2/8

| TROPICAL AND SUB-TROPICAL FRUIT (INEDIBLE PEEL)  |                                       |  |
|--|---------------------------------------|--|
| Avocado; Canistel; Mango; Papaya; Sapodilla; Sapote, Black; Sapote, Mamey; Star Apple  |                                       |  |
| PESTS  | PRODUCT RATE<br>OZ/ACRE               | SPECIAL INSTRUCTIONS   |
| Avocado Brown Mite<br>Persea Mite<br>Two-spotted Spider Mite   | 2.0 to 3.0<br>(0.09 to 0.135 lb ai/A) | <p>Apply with [air or] ground equipment in adequate water for uniform coverage ([minimum 20 gals/A by air or] minimum 50 gals/A [by ground]). Applications of <i>Zeal</i> WP Miticide must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Best results are achieved when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p> |
| <b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 1 day.</li> <li>• Do not make more than one (1) <i>Zeal</i> WP Miticide application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season</li> </ul> |                                       |  |

**PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.**

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Manufactured for:  
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